This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims: Please **amend** the claims as follows:

We claim:

Claim 1. (Cancelled).

Claim 2. (Cancelled).

Claim 3. (Cancelled).

Claim 4. (Currently Amended) An isolated polynucleotide~~, comprising one of the following nucleotide sequences~~ which is:

(a) a polynucleotide comprising nucleotides 1-1600 of SEQ. ID NO.: 1;

(b) a polynucleotide comprising nucleotides 36-1346 of SEQ. ID NO.: 1;

(c) a polynucleotide comprising nucleotides 36-1262 of SEQ. ID NO.: 1;

(d) a polynucleotide comprising nucleotides 39-1346 of SEQ. ID NO.: 1;

(e) a polynucleotide comprising nucleotides 39-1262 of SEQ. ID NO.: 1;

(f) a polynucleotide comprising nucleotides 99-1346 of SEQ. ID NO.: 1; or

(g) a polynucleotide comprising nucleotides 99-1262 of SEQ. ID NO.: 1,

or is complementary to or is the RNA equivalent of one of said polynucleotides.

Claim 5. (Cancelled).

Claim 6. (Cancelled).

Claim 7. (Cancelled).

Claim 8. (Cancelled).

Claim 9. (Cancelled).

Claim 10. (Cancelled).

Claim 11. (Cancelled).

Claim 12. (Cancelled).

Claim 13. (Currently Amended) ~~Process~~ A process for ~~detecting~~ diagnosing

polycythaemia vera~~, characterized in that the~~ comprising detecting at least one polycythaemia rubra vera-1 (PRV-1) polynucleotide ~~is detected using an RT-PCR method or a blotting method~~ of claim 4.

Claim 14. (Cancelled).

Claim 15. (Cancelled).

Claim 16. (Withdrawn, Currently Amended) ~~Drug,~~ A pharmaceutical preparation comprising a polynucleotide according to claim 4 and at least one pharmaceutically tolerated excipient.

Claim 17. (Cancelled).

Claim 18. (Cancelled).

Claim 19. (Cancelled).

Claim 20. (Cancelled).

Claim 21. (Currently Amended) ~~Kit~~ A kit ~~for detecting polycythaemia vera~~, comprising

(1) a PCR primer against at least one polynucleotide ~~according to~~ of claim 4~~, or a fragment thereof~~

and

(2) a composition suitable for implementing detection reactions.

Claim 22. (Currently Amended) ~~Kit~~ A kit ~~for detecting disturbances of the haematopoietic system,~~ comprising

(1) at least one polynucleotide according to claim 4, or a fragment thereof, wherein said fragment hybridizes to polycythaemia rubra vera-1 (PRV-1) polynucleotide

and

(2) a composition suitable for implementing detection reactions.

Claim 23. (Cancelled)

Claim 24. (Currently Amended) ~~Kit~~ A kit ~~for detecting polycythaemia vera,~~ comprising

(1) at least one polypeptide ~~according to claim 1~~ selected from the group consisting of:

(a) a polypeptide comprising amino acids 1-437 of SEQ. ID NO.: 2;

(b) a polypeptide comprising amino acids 1-409 of SEQ. ID NO.: 2;

(c) a polypeptide comprising amino acids 22-437 of SEQ. ID NO.: 2; and

(d) a polypeptide comprising amino acids 22-409 of SEQ. ID NO.: 2.

and

(2) a composition suitable for implementing detection reactions.

Claim 25. (Cancelled).

Claim 26. (Cancelled).

Claim 27. (Cancelled).

Claim 28. (Cancelled).

Claim 29. (Cancelled).

Claim 30. (New). A process for diagnosing polycythaemia vera comprising detecting the presence of PRV-1 polynucleotide with a kit of claim 21.

Claim 31. (New). A process for diagnosing polycythaemia vera comprising detecting a PRV-1 polynucleotide with a kit of claim 22.

Claim 32. (New). A process for diagnosing polycythaemia vera comprising detecting the expression of a PRV-1 polynucleotide and comparing said expression to a reference standard, wherein said reference standard comprises a kit of claim 24.

Claim 33. (New). A process for diagnosing disturbances of the hematopoietic system comprising detecting at least one polycythaemia rubra vera-1 (PRV-1) polynucleotide of claim 4.

Claim 34. (New). A process for diagnosing disturbances of the hematopoietic system comprising detecting the presence of PRV-1 polynucleotide with a kit of claim 21.

Claim 35. (New). A process for diagnosing disturbances of the hematopoietic system comprising detecting the presence of PRV-1 polynucleotide with a kit of claim 22.

Claim 36. (New). A process for diagnosing disturbances of the hematopoietic system comprising detecting the expression of a PRV-1 polynucleotide and comparing said expression to a reference standard, wherein said reference standard comprises a kit of claim 24.

Claim 37. (New). A process of claim 13 wherein said detection comprises a PCR method or a blotting method.

Claim 38. (New). A process of claim 33 wherein said detection comprises a PCR method or a blotting method.